

Brasco

**COPPER
STORE
FRONTS**

“Series 500”

All-Copper Construction

Special Catalog No. 31



Other Systems of Brasco Construction are shown in other Special Catalogs.

STRIKINGLY handsome in appearance, extremely simple in design, the "Series 500" All-Copper Sash fills a definite store front need. Fabricated from heavy gauged copper throughout, and possessing new and improved methods of ventilation and drainage, this sash is yet so reasonably priced that it falls well within the price limitations set for the most modest store building. It can be used independently of jamb coverings when desired, and is obtainable in a great variety of finishes, and in several styles and combinations, as illustrated on the inside pages.

The various illustrations will convey a fairly complete idea of the Brasco All-Copper Sash. It will be found to be a product in every way worthy of the Brasco name, and a system of glass setting which is safe for glass—(notice the unusually wide grip)—extremely durable, easy to install and efficient always in admitting air into the windows and in draining the water out of them.

BRASCO MANUFACTURING COMPANY

5025-5055 Wabash Avenue
CHICAGO

DISTRIBUTORS EVERYWHERE
[Write for the name of the one nearest you]

PATENTS

All Brasco sash and bars are fully protected by numerous United States Letters Patent and patents issued in foreign countries.

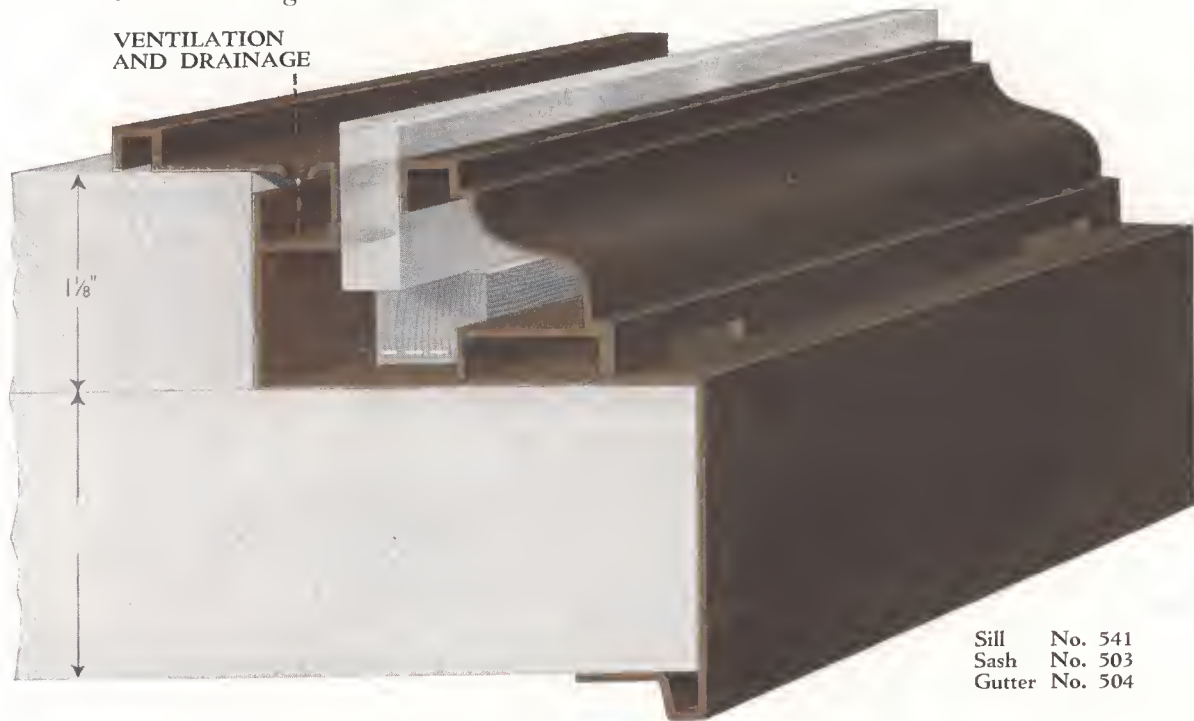
Among those particularly applying to the members illustrated in this catalog are Nos. 1193114, 1621375, 1263245, 163413 and 1278343. Other patents pending.

Infringers will be vigorously prosecuted.

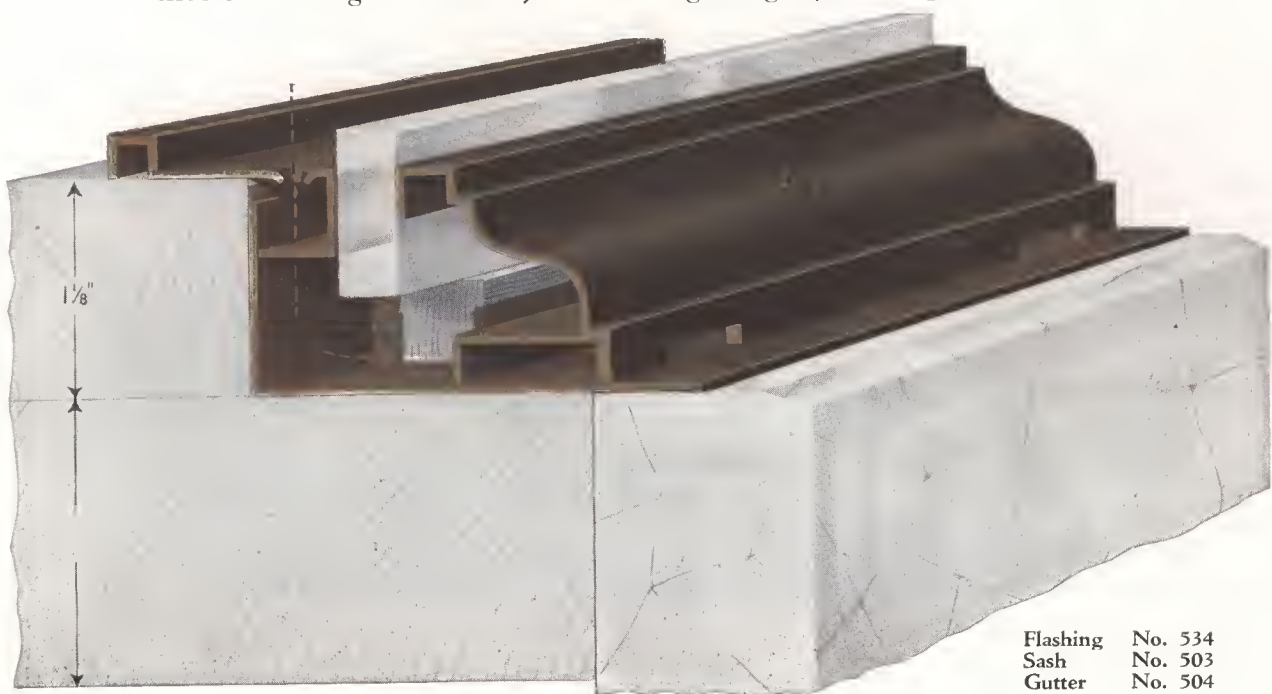


Sash and Gutter Construction

THE "Series 500" heavy gauge sash and gutter insure safe setting for the largest plates. The No. 503 sash is self-supporting and is held in place, by spaced screws and by indirect screw pressure—assuring maximum glass safety and easy, even distribution of pressure throughout the entire length of the sash.



Vent holes are staggered in the sash and gutter retarding the influx of dust into the show windows. Number 504 gutter is the widest all-copper gutter manufactured and prevents water from backing up onto the show window floor. It may be fastened directly to the finished floor if desired, thus eliminating the necessity of installing unsightly backing.



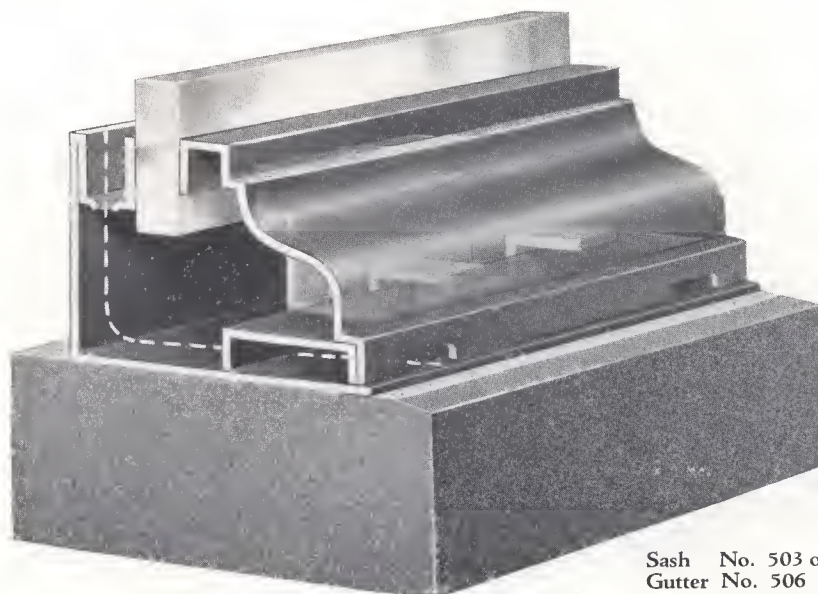
Sash and Gutter Construction

All sill members and all wood framing are completely protected against water seepage by means of raised holes.



Sash No. 503 or 513
Gutter No. 505

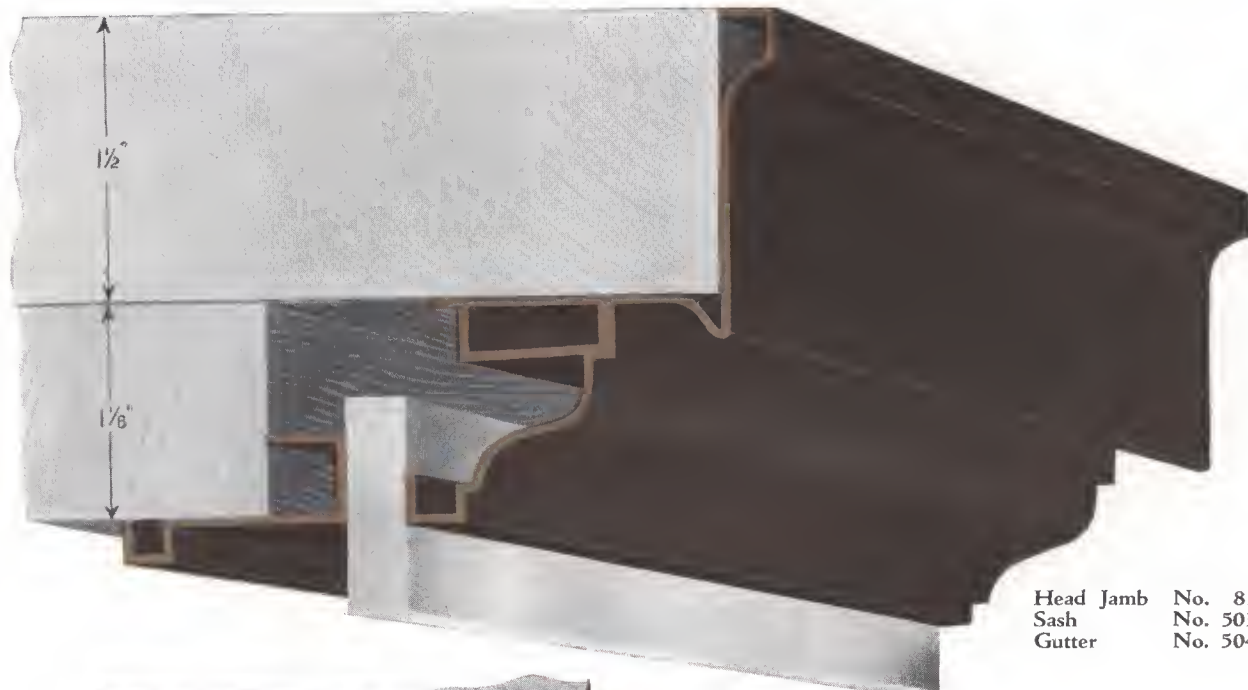
When complete sill covering is not desired, sash and flashing may be used. Gutter No. 505—a combination gutter and flashing member in one piece—is especially suitable for this type of installation. Copper covered sill or flashing should always be used under plate glass, no matter what kind of material is used between sill and sidewalk.



Sash No. 503 or 513
Gutter No. 506

Self-supporting gutter No. 506 illustrated above, used in conjunction with No. 503 face piece, forms a sturdy, beautiful and very simple, all-copper self-supporting sash. No backing of any description is necessary.

Head and Side Jamb Construction



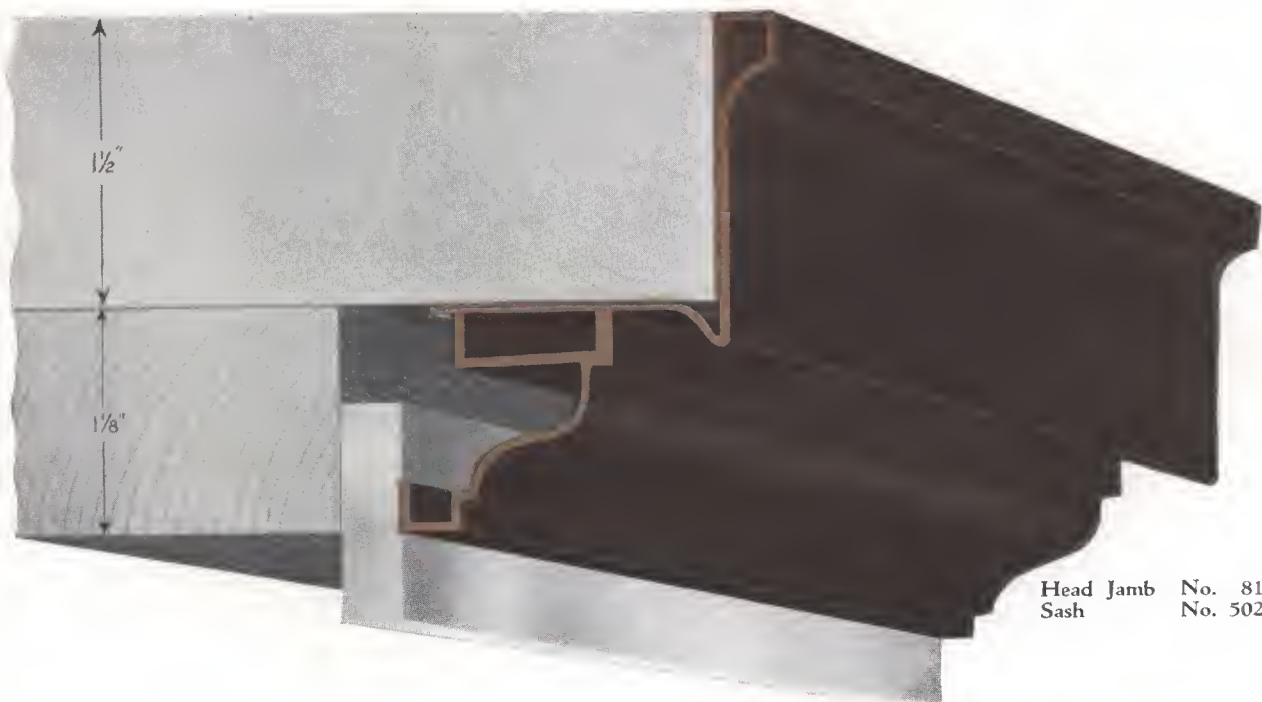
Head Jamb	No. 81
Sash	No. 503
Gutter	No. 504



Side Jamb	No. 62
Sash	No. 503
Gutter	No. 504

These illustrations show a treatment of head and side jamb sections, using 1 1/2-inch core and completely ventilated sash rail.

Head and Side Jamb Construction



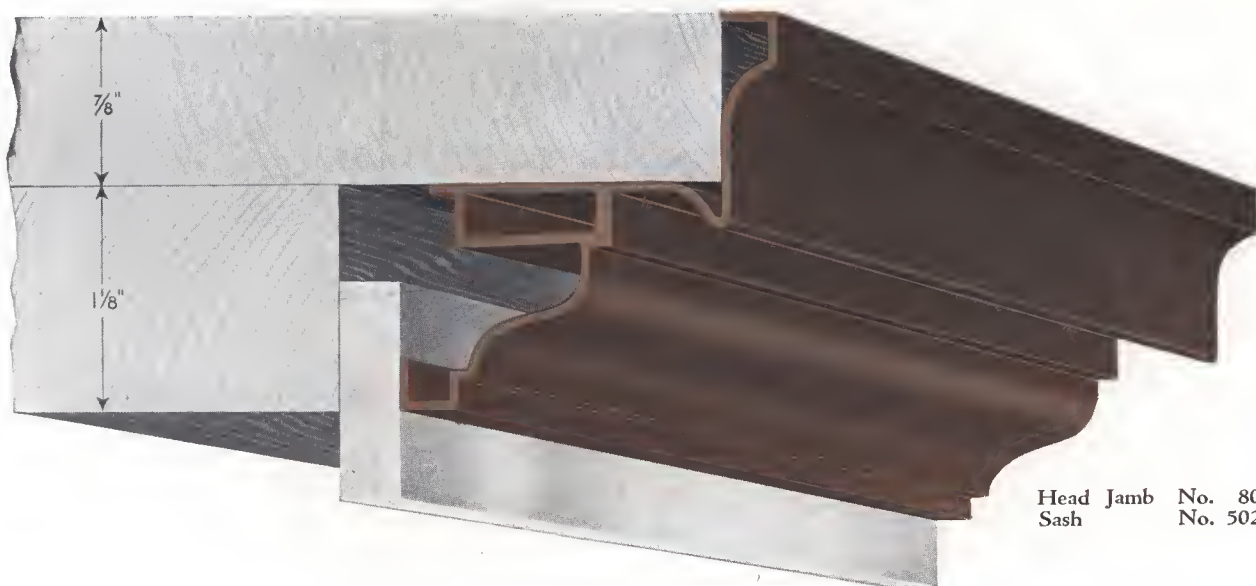
Head Jamb No. 81
Sash No. 502

Installation of 1 1/2-inch head and side jamb sections which may be used when ventilation is not desired. No. 542 copper covered creosoted cypress sash may be substituted for No. 502, here shown.



Side Jamb No. 62
Sash No. 502

Head and Side Jamb Construction



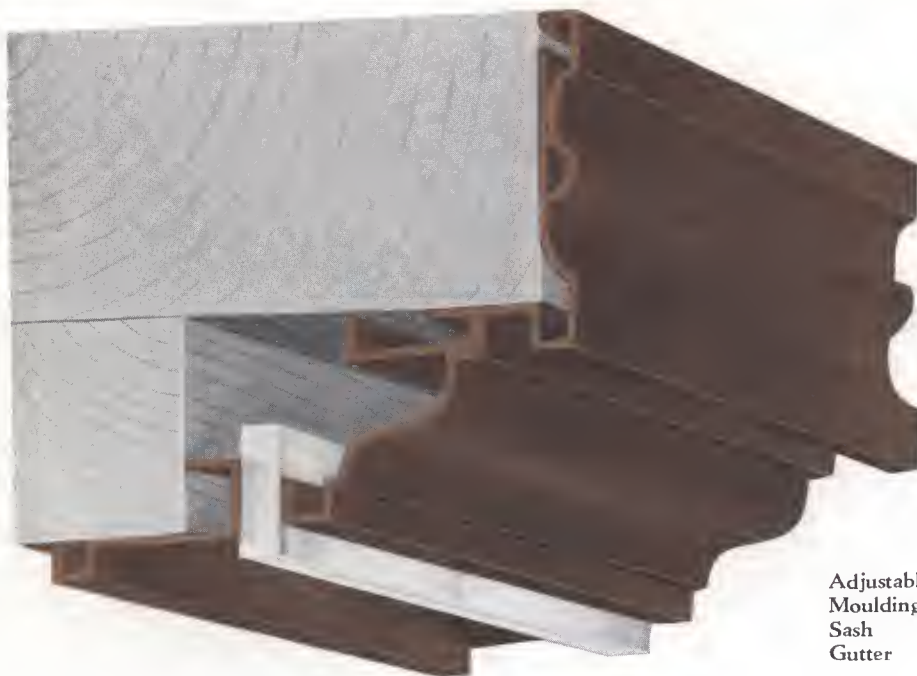
Head Jamb No. 80
Sash No. 502

These illustrations show the use of $\frac{7}{8}$ -inch side and head jamb coverings and sash stop without gutter member. When no ventilation is desired, No. 542 copper covered creosoted cypress sash may be substituted for No. 502, here illustrated. We strongly recommend that a combination of $\frac{7}{8}$ -inch coverings and No. 542 moulding be used to permit the use of indirect screw pressure sash in preference to the direct screw pressure sash without jambs.



Side Jamb No. 60
Sash No. 502

Adjustable Head and Side Jamb Construction



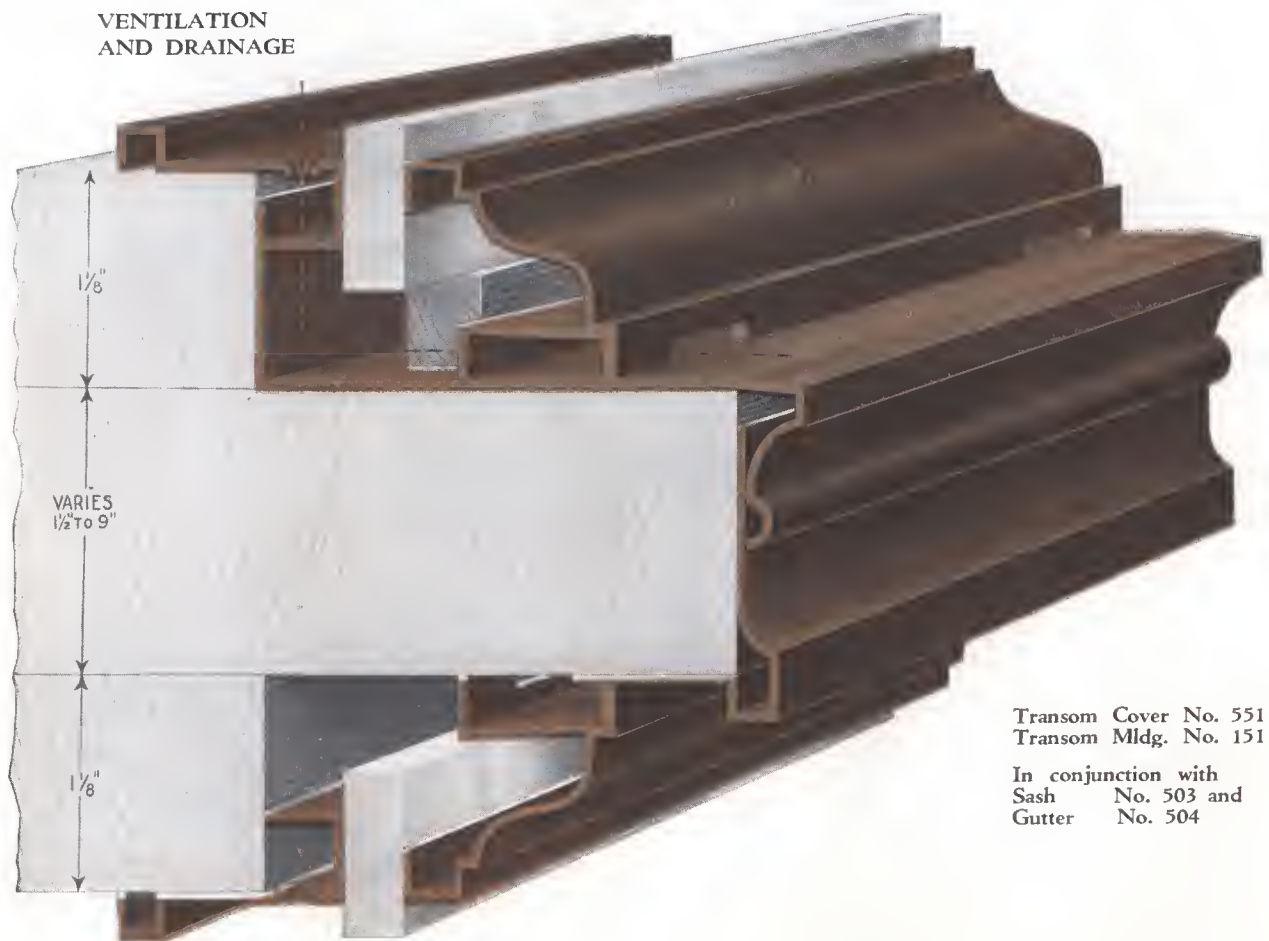
Adjustable Bead	No. 159
Moulding	No. 151
Sash	No. 503
Gutter	No. 504



Adjustable Bead	No. 159
Moulding	No. 160
Sash	No. 503
Gutter	No. 504

By using this type of adjustable head and side jamb coverings, the wood core for the side and head jambs may be rough 2 x 4's instead of milled shapes, since these mouldings are adjustable up to 2 inches in width.

Transom Bar Construction Over Display Windows



Transom Cover No. 551
Transom Mldg. No. 151

In conjunction with
Sash No. 503 and
Gutter No. 504

Note the handsome appearance of the entire transom bar section and the complete ventilation and drainage afforded. When desired, the sash may be installed at top of lower glass without the ventilating features. In this case, the gutter moulding is not used.

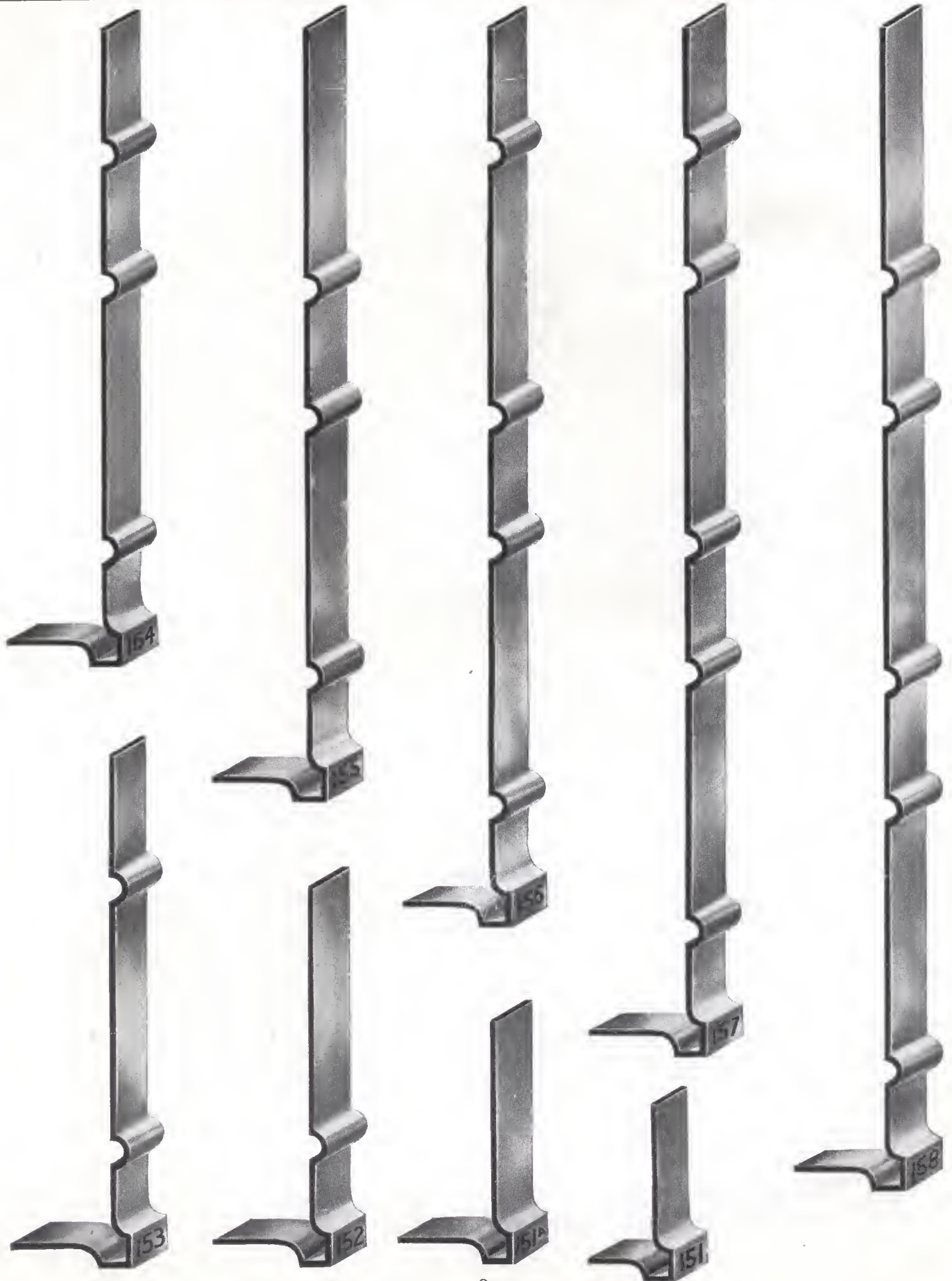
The section above illustrates our adjustable transom bar coverings as installed on 1 1/2-inch transom bar. When coverings for wider bars are desired, the proper mouldings can be obtained by referring to the table below. Illustrations of wider mouldings are shown on page opposite.

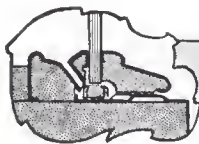
For transoms 1 1/2 in. to 1 3/4 in.—Use Nos. 551-151
For transoms 1 3/4 in. to 2 1/4 in.—Use Nos. 551-151A
For transoms 2 1/4 in. to 3 1/4 in.—Use Nos. 551-152
For transoms 3 1/4 in. to 4 1/4 in.—Use Nos. 551-153

For transoms 8 3/4 in. to 9 1/4 in.—Use Nos. 551-158

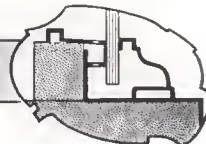
For transoms 4 1/4 in. to 5 1/4 in.—Use Nos. 551-154
For transoms 5 1/4 in. to 6 1/4 in.—Use Nos. 551-155
For transoms 6 1/4 in. to 7 1/4 in.—Use Nos. 551-156
For transoms 7 1/4 in. to 8 1/4 in.—Use Nos. 551-157

Adjustable Transom Bar Mouldings





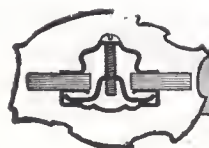
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Brasco
COPPER STORE FRONTS

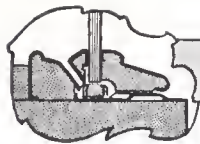


These photographs show one each of the buildings for which Brasco was selected. Here you find the one-story exclusive shops, the multi-storied home of the storage warehouse, in which our

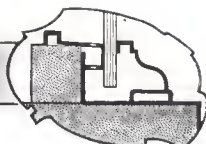


CHICAGO • ILLINOIS





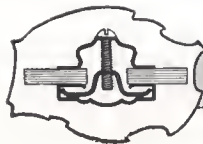
BRASCO MANUFACTURING COMPANY



of a number of different types of
ed as the setting for the show win-
utomobile show room, the block of
, office and mercantile buildings and
y materials of permanency are used.



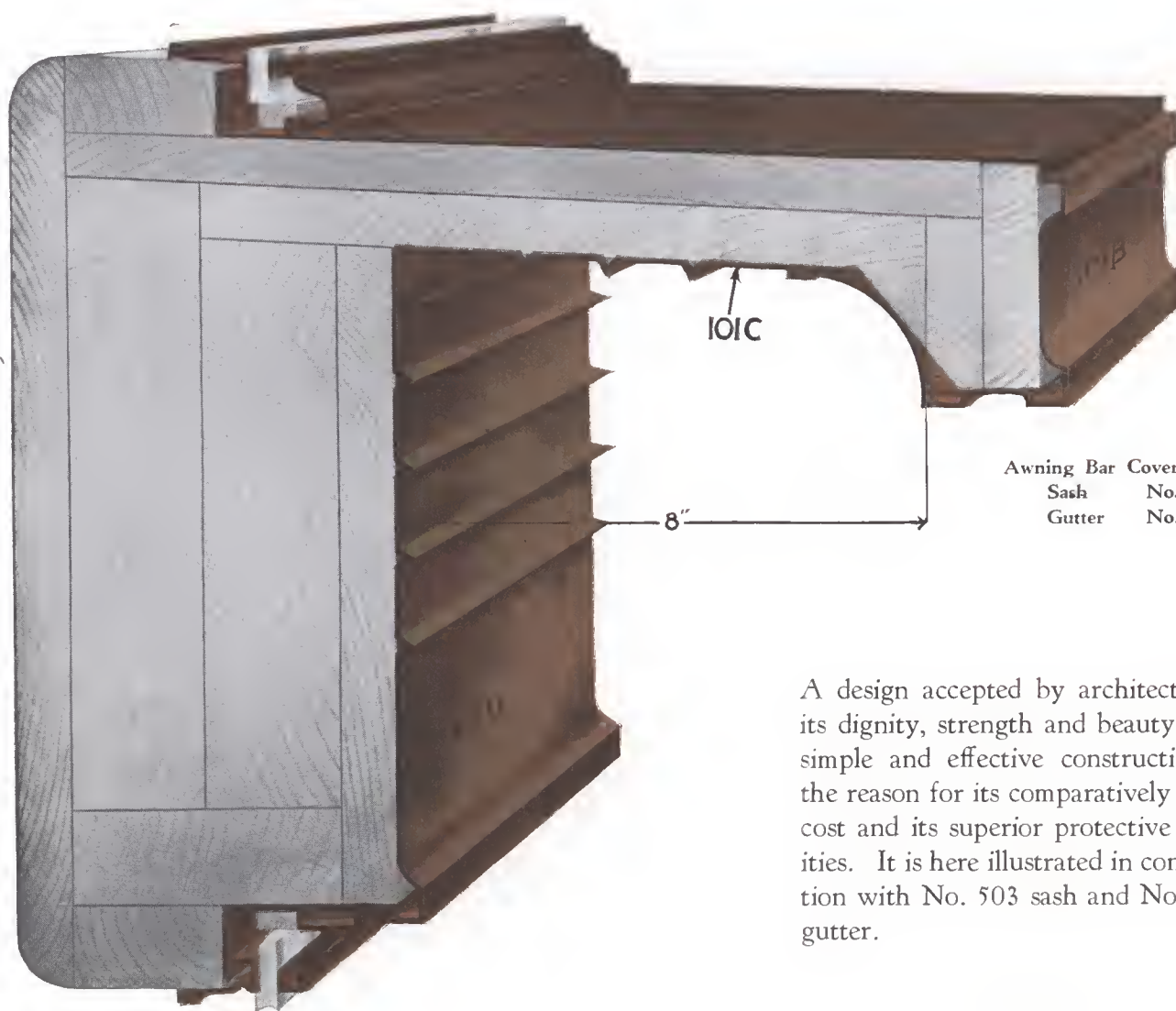
Brasco
(COPPER STORE FRONTS)



CHICAGO • ILLINOIS

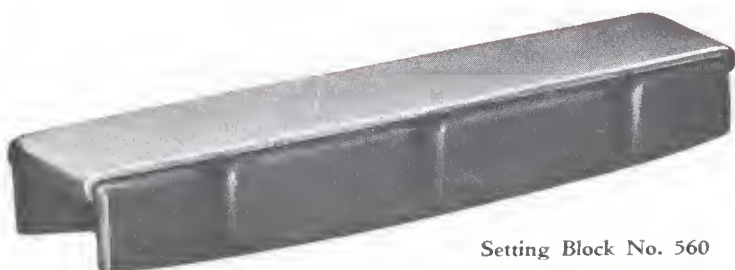


Awning Transom Bar and Setting Block



Awning Bar Cover No. 101
Sash No. 503
Gutter No. 504

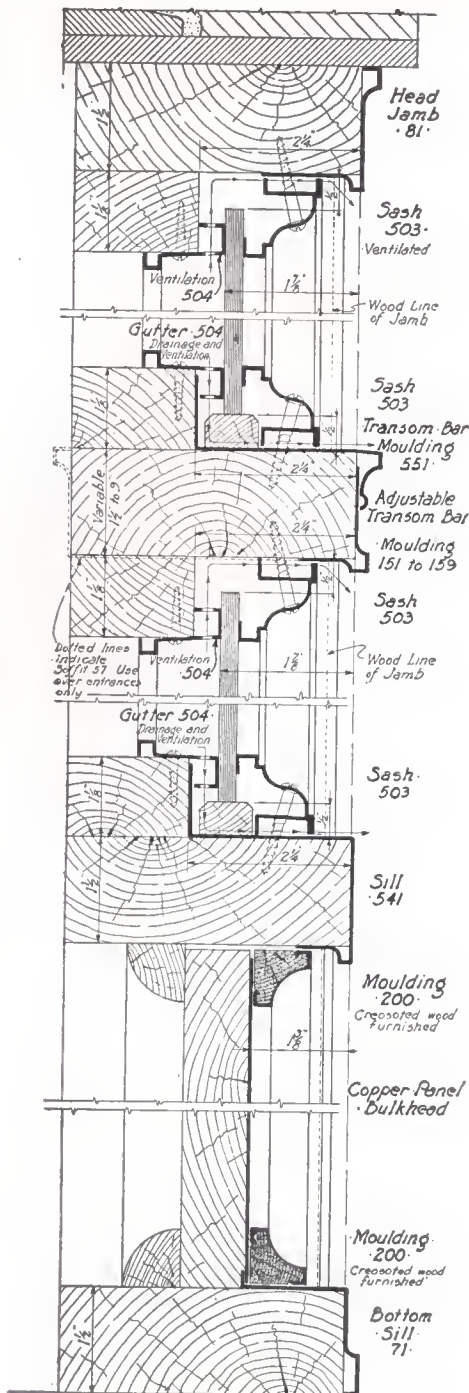
A design accepted by architects for its dignity, strength and beauty. Its simple and effective construction is the reason for its comparatively small cost and its superior protective qualities. It is here illustrated in conjunction with No. 503 sash and No. 504 gutter.



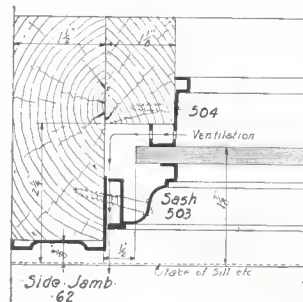
Setting Block No. 560

This is an exclusive improved channel type of setting block made of solid copper and having corrugated sides for added strength. It is fitted with a cushion of sheet lead. Block is 4 inches long, $\frac{9}{16}$ inches high at center and $\frac{1}{2}$ inch high at ends, strong enough to support the largest plates.

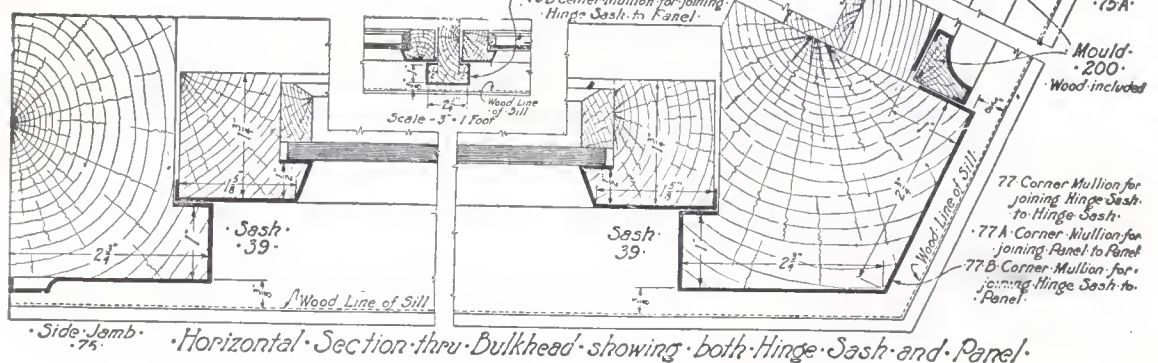
Vertical and Horizontal Sections



The illustrations in this catalog do not show dimensions of wood work nor recessing of backing strips. We suggest that before detailing or installing wood work, you procure our portfolio of full size details which will gladly be furnished by ourselves or any of our distributors.



Scale: $\frac{3}{8}$ inch equals 1 inch.



Corner Bars and Reverse Angle Bars



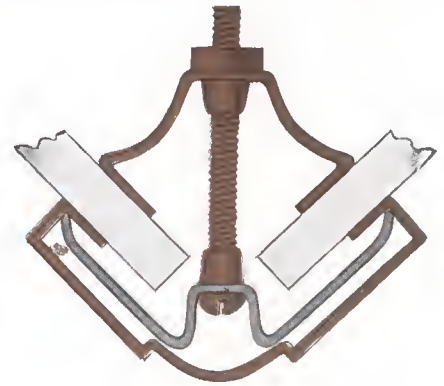
Corner Bar No. 6

This is a solid copper bar with continuous steel reinforcement, being identical in size with No. 10, but having flat surfaces and sharp corners, similar to No. 7 corner bar.



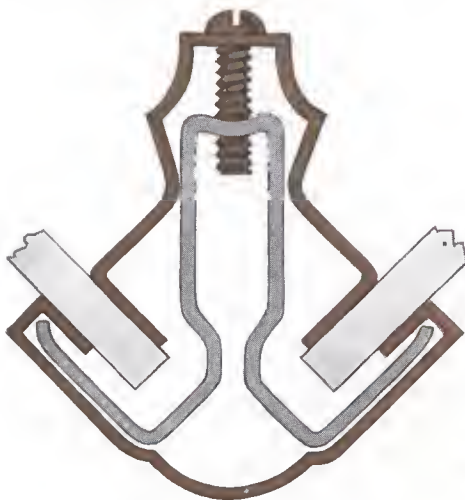
Corner Bar No. 10

A solid copper product with a continuous steel reinforcement. Indirect pressure is evenly distributed along the glass, gripping it well back of the edge. The bar is designed to easily adjust itself to the varying thicknesses of glass. Give angle when ordering.



Corner Bar No. 7

Medium-weight, indirect screw pressure, full steel reinforced. A carefully tested product, handsome in appearance, correct mechanically. Widely adjustable. Specify angle when ordering.



Corner Bar No. 8

Designed to hold the largest plates of glass rigidly without danger of breakage. The steel reinforcement is designed to take care of both direct and reacting stresses. When ordering, always give angle.



**No. 13
Reverse Angle Corner Bar**



**No. 14
Reverse Angle Corner Bar**

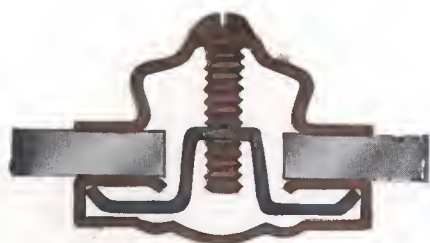
A strong, handsome, well designed bar doubly steel reinforced, capable of holding glass of any size. Can be furnished to fit any angle. Give angle when ordering.



These bars are made adaptable to the usual angles. Where an exceptionally wide angle occurs, our Division Bars No. 18 or No. 19 will be made to suit the condition. Always give angles when ordering corner and reverse bars. The continuous steel reinforcements of all our bars are drawn from a specially milled cold rolled material. All bars can be furnished to fasten from the outside, if desired.

Anchors are recommended for all bars holding plate glass—top and bottom

Division Bars and Three-Way Bars



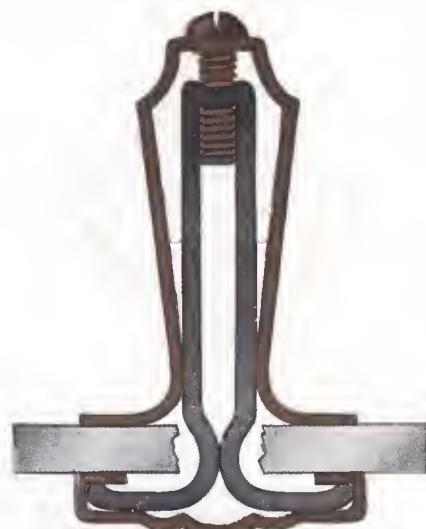
Division Bar No. 15

An inexpensive steel reinforced copper bar especially suited for swinging transom lights.



Division Bar No. 18

For medium plates.



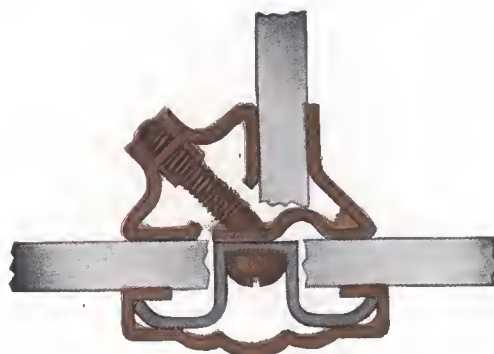
Division Bar No. 19

For largest plates.



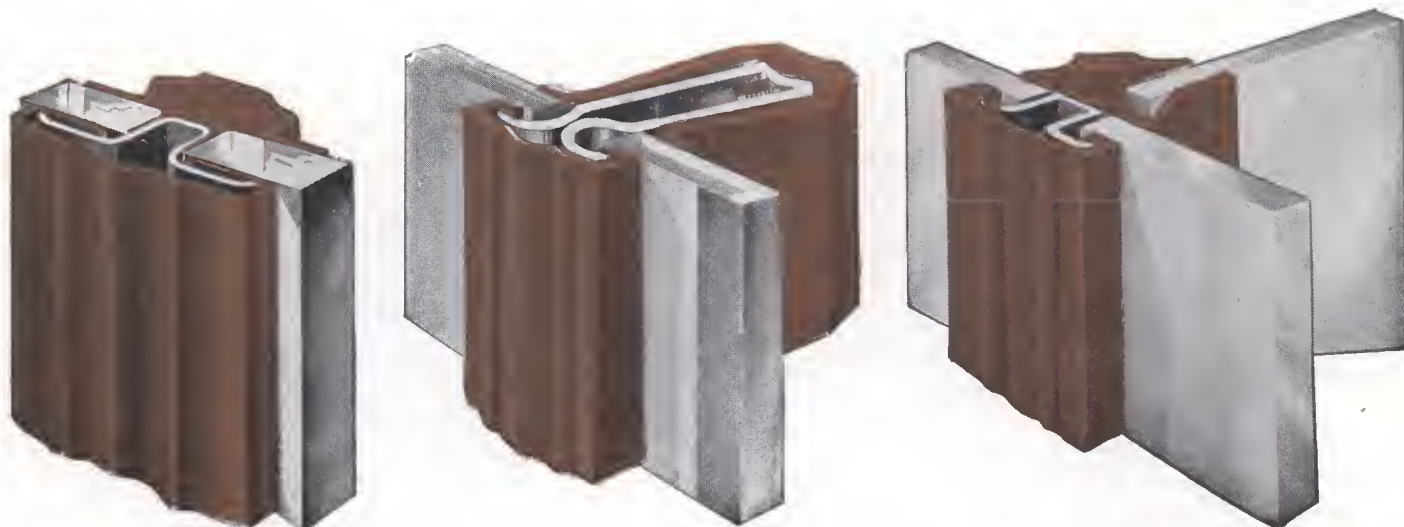
Division Bar No. 16

An inexpensive heavy gauged solid copper bar designed for holding transom lights.



Three-Way Bar No. 22

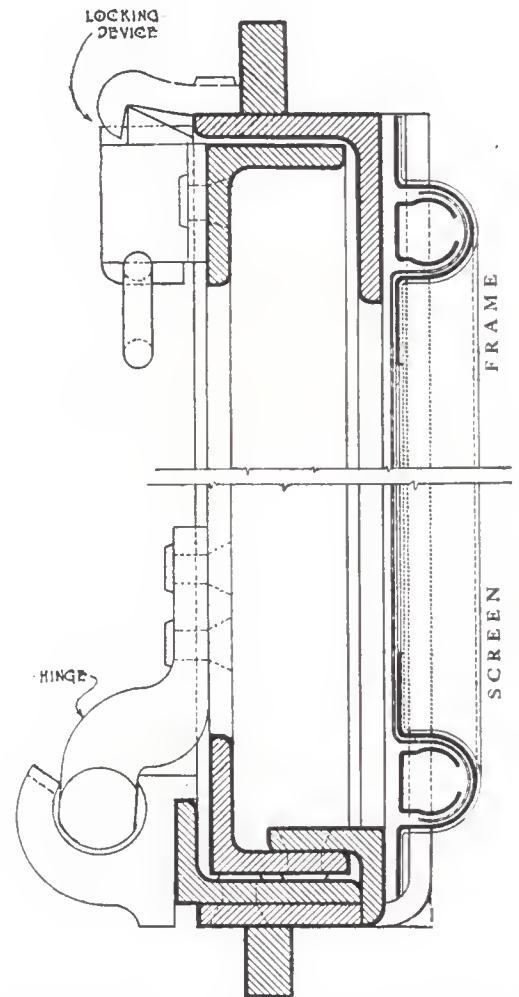
The Three-Way Bar No. 22 is designed to bind together transom glass extending directly across the front of the vestibule and a transom light that returns with the return plate to the door post. The same principle is employed here that is used with our corner and division bars.



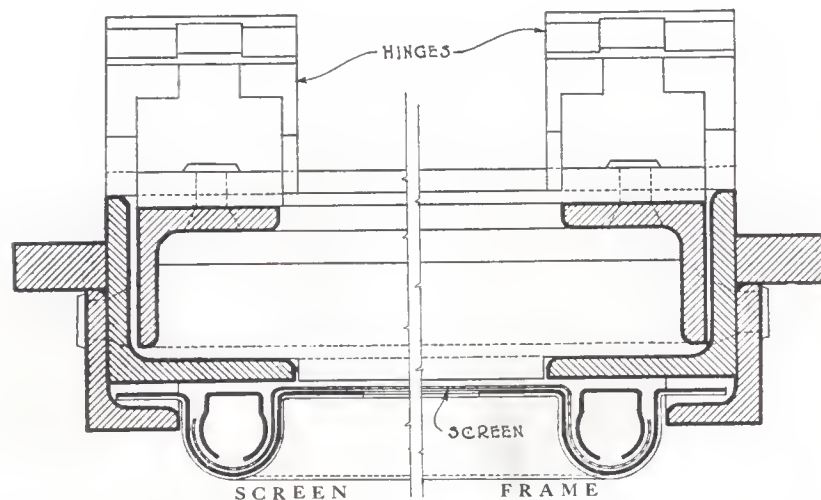
Anchors are recommended for all bars holding plate glass—top and bottom

Metal Ventilator Sash

The ventilators here illustrated come in either the hinged or pivoted type and when furnished with glazing ribs may be installed in sash and bars. Ventilators may be obtained in copper plated finish, copper faced, and entirely copper covered. When ordering, exact over-all sizes should be given, not including glazing ribs. If copper-faced or copper-covered, state finish. Also specify whether ventilators are to be hinged at bottom or top or pivoted.

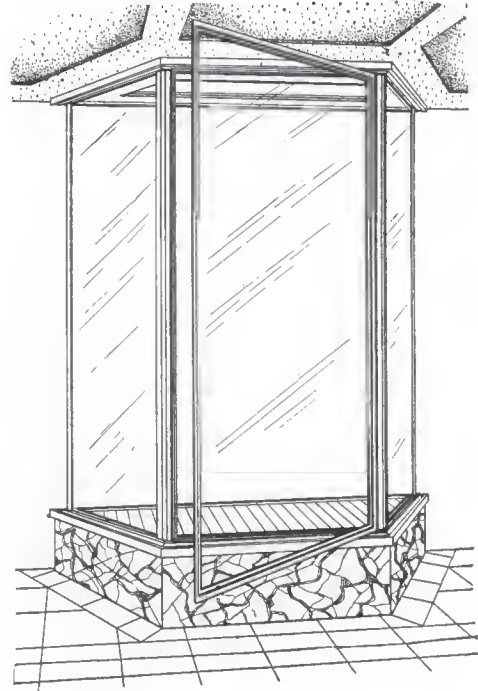
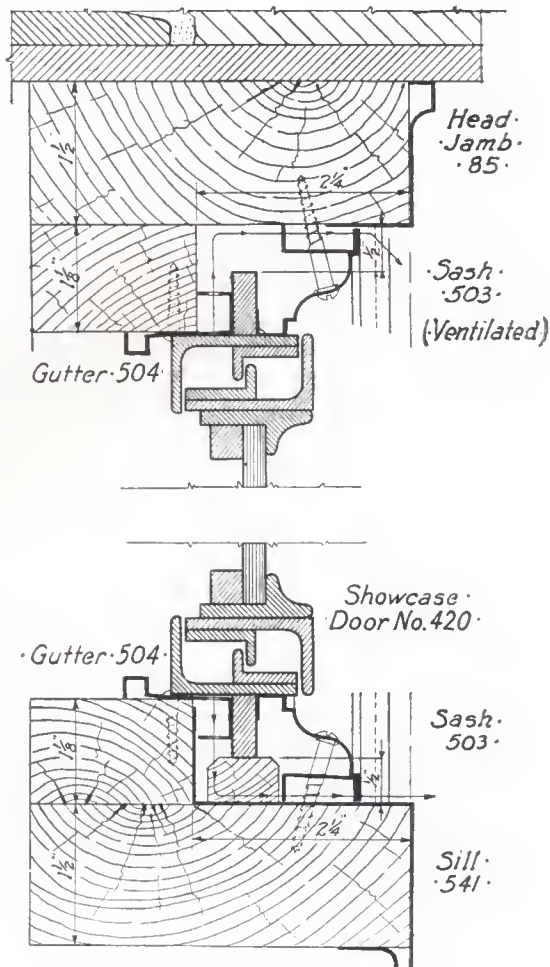


F. S. Vertical Section of Transom Ventilator with Screen



F. S. Horizontal Section of Transom Ventilator with Screen

Metal Showcase Doors



Showcase Door No. 420

A stout steel showcase door employing the three point contact principle. It is effectively used with "Series 500" construction. By leaving off the outside rib the construction can be fastened directly to the building frame.

When ordering please give the following information:

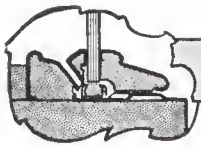
Exact over-all sizes, not including outside rib.

Hinges at right or left side.

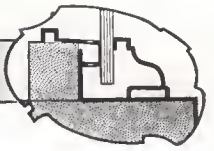
Copper covered, copper faced, copper sprayed or plain galvanized iron.

What finish if copper covering is desired.

We make a specialty of Copper Covered Wood Doors, always easy to operate and trim in appearance—details furnished on request.



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Western Union



Brasco
COPPER STORE FRONTS

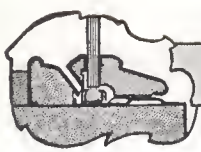


Before

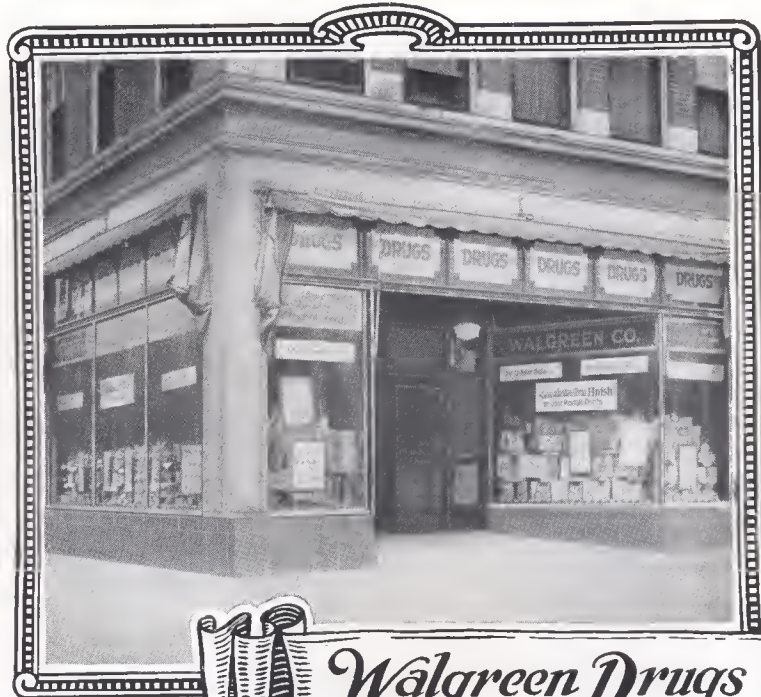
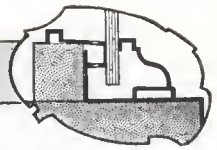


After





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Walgreen Drugs



Before



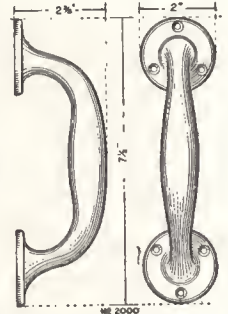
After

Thresholds, Kick Plates, Railings, Door Guards

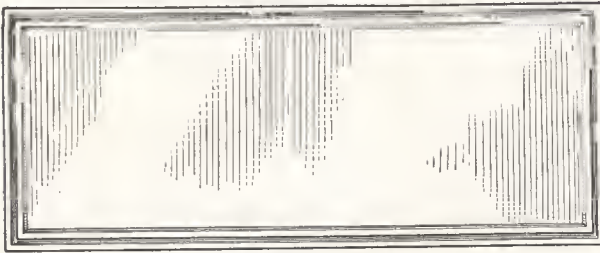
Solid Brass or Bronze Kick, Push and Pull Plates



Door
Plates



Door Pulls

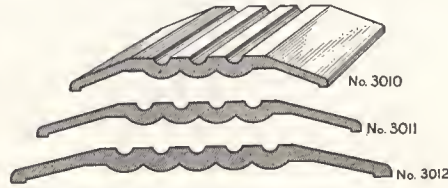
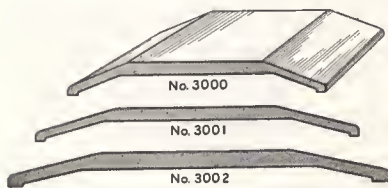


STYLE
No 1501

Kick Plates

The material used in our Kick and Push Plates is milled especially for that purpose. Our process of rolling, leveling and tempering produces plates perfectly level and free from buckles, and gives more than double the strength found in the same thickness of brass and copper made for general use.

Brass or Bronze Thresholds, Either Solid Extruded or Cast Metal



EXTRUDED BRASS THRESHOLDS

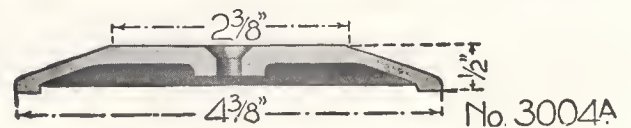
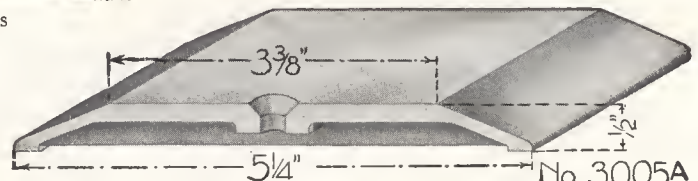
Extruded Brass
(One-third Size)

Illustrated here are a few of the many designs of thresholds we manufacture. We are well equipped to take care of anything that you require made of cast brass or bronze, but especially recommend the use of stock sizes of extruded thresholds wherever possible.

Table of overall widths follows:

No. 3000—Plain Design.....	4 in.
No. 3001—Plain Design.....	5 in.
No. 3002—Plain Design.....	6 in.
No. 3010—Corrugated Design.....	4 in.
No. 3011—Corrugated Design.....	5 in.
No. 3012—Corrugated Design.....	6 in.

Cast Brass or Bronze (Half Size)



Solid Brass Rails and Guards

No. 1001—Solid brass tube of from 3/4 in. to 3 in. diameter. Made in designs to suit any specification. Lengths measured from center to center of bracket.

No. 1001 Door Guard



No. 1001 Door Guard

Diam. of Railing	Diam. of Flange A	Height of Fitting B	Diam. of Ball C
3/4 in.	1 1/2 in.	1 5/8 in.	1 1/2 in.
1 in.	1 3/4 in.	2 in.	1 3/8 in.
1 1/4 in.	2 in.	2 3/8 in.	1 5/8 in.
1 1/2 in.	2 1/2 in.	2 5/8 in.	2 in.
1 3/4 in.	2 1/2 in.	3 3/8 in.	2 3/8 in.
2 in.	3 in.	3 3/4 in.	2 3/4 in.



No. 1002 Door Guard Rail

The guard rails are only a few of many designs we make. Please write us for what you want. Any design made upon receipt of sketch or specifications.

No. 1002—Solid brass, 5/8 in. diameter. Rails spaced 2 inches apart. Cast brass bracket 1 inch in height. Length is measured from center to center of screw holes.

Instructions For Ordering

Stock Lengths

All copper mouldings and sash 20 ft.

Wood copper covered sash and mouldings in lumber lengths from 12 ft. to 20 ft.

Corner, division and reverse bars 21 ft.

Awning transom bar moulding No. 101B, 21 ft.

Other awning transom bar mouldings No. 101A, 101C and 101D, 10 ft.

All metal sash and mouldings 20 ft.

Mitre Caps for Sash

Care should be taken in specifying kind of caps wanted. Mitre cap to cover sash at corner bar is named "C" cap, at reverse bar "R" cap and the vertical cap covering sash at jambs or doors, "S" cap.

Degree of angle should be stated when ordering "C" or "R" caps.

Finishes

Any known finish may be applied to all Brasco construction. Polished copper is recommended. If cleansed with soap and water when glass is washed, a beautiful statuary bronze color is naturally acquired.

Shipping Directions

All orders should state whether order is to be shipped by express or freight

or forwarding company. Unless such directions are given, orders will be shipped by freight.

Corner and Reverse Bars

Unless angle is specified on order for corner or reverse bars, 90° angle bars will be shipped.

Cut to Size Orders

Whether customer's order is itemized or not, it is advisable to attach sketch of floor plan and elevation to aid in checking pieces required. Given sizes on such sketch should be designated as sizes of wood work or glass sizes. It is impossible to furnish too much information.

"Series 500" Caps

All caps for "Series 500" sash are punched for indirect screw pressure and where 503 sash is ordered, wood screws will be furnished the same length as is used to fasten sash.

When 513 sash is ordered, two brass clips are furnished with each cap. These clips conform to the shape of sash and are inserted in cavity of sash immediately under part to be covered by cap.

Holes are drilled thru both sash and clip and tapped to receive No. 6 machine screws.



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